Data Storage and Access (Software)

Input data format for analysis

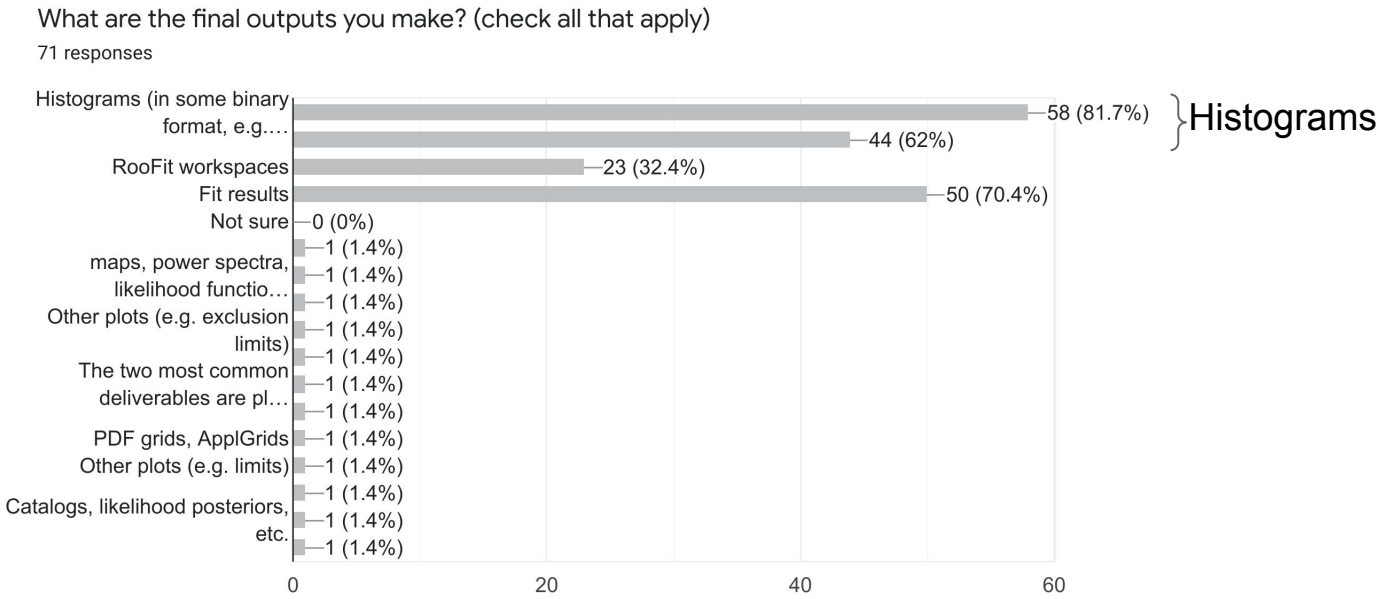
Completely dominated by ROOT-based formats

What data storage format do you run most of your own code on?

71 responses

Final outputs

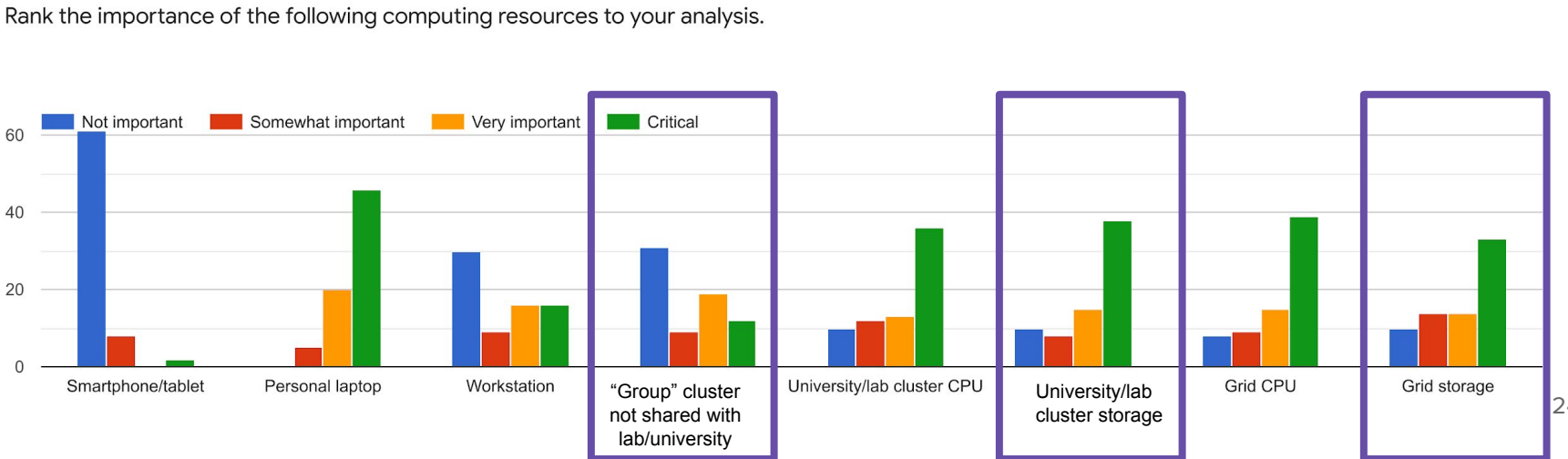
Mostly histograms + final fit results. About a third produce RooFit workspaces.



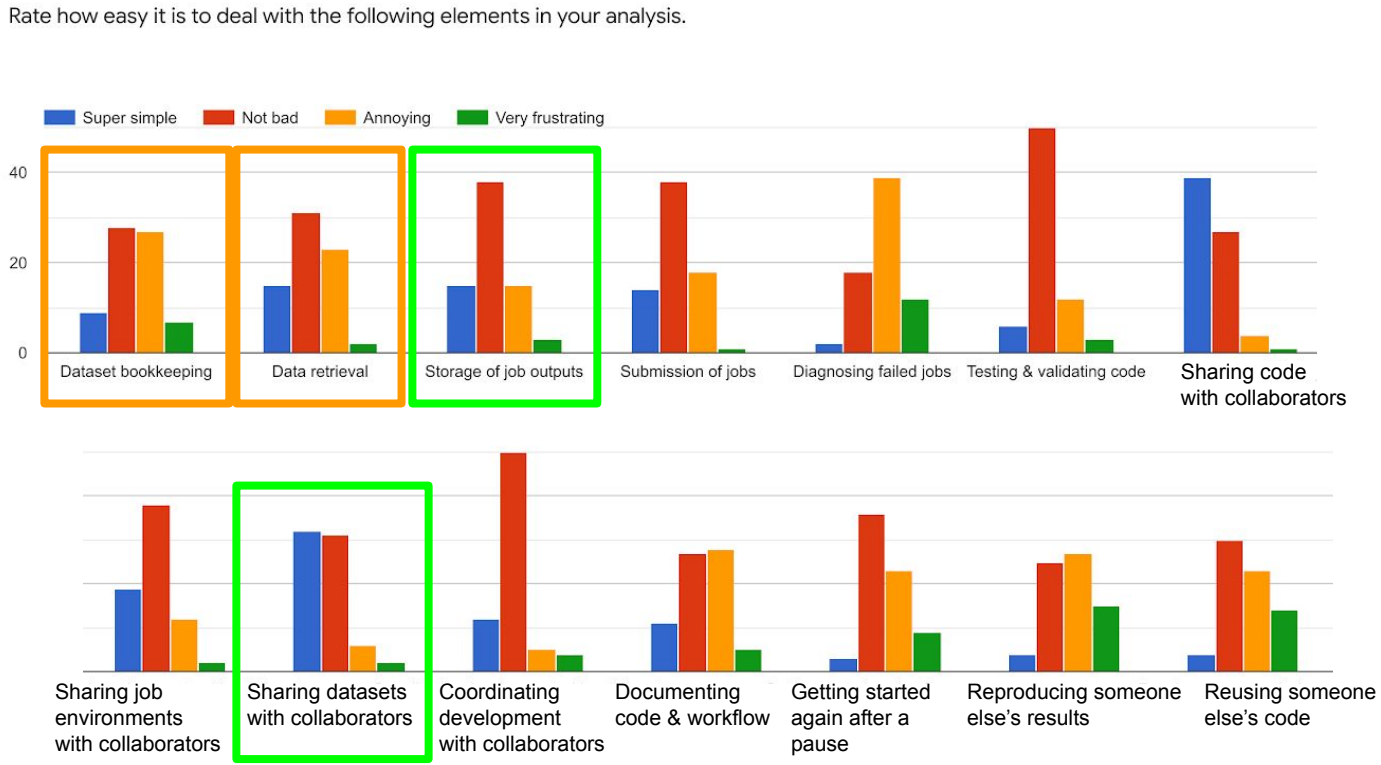
Where are the data?

People dominantly work from laptops

Larger scale (university/lab-level or above) storage more important than “group” computing



What's frustrating?



Mostly OK

Potential issue

Problem

Convener Questions

- Are we happy with ROOT as a standard data format? Are there techniques that would be enabled with different formats?
- Do we have adequate tools to bookkeep *analysis* data (as opposed to e.g. production datasets)?
- Would analysis outputs other than histograms be useful? Are there barriers to producing them?
- Are there mismatches of where data are and where people want to do compute? (e.g. Grid storage element vs user laptop)